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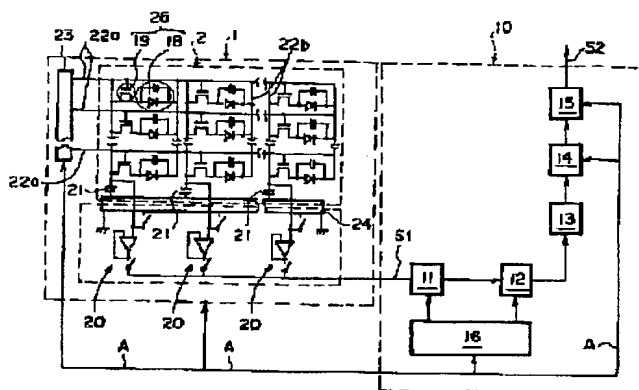
APPLICATION NUMBER : 05217307

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TITLE : APPARATUS AND METHOD FOR
 CORRECTING IMAGE SIGNAL



ABSTRACT : PURPOSE: To obtain a high-quality radiation image by filtering out the noises of the image caused by the error in capacity of an amplifier, the dispersion of the sensitivity of solid-state photodetector elements and the like provided in a radiation detector comprising many solid-state photodetector elements.

CONSTITUTION: Under the state that X rays are not emitted from a radiation detector 1, an image signal S1 in every line of a solid-state photodetector element 18 is read out. The value of the image signal S1 is stored in a correcting table 16 as the offset correcting value. Then, the radiation detector 1 is irradiated with uniform X rays, and the image signal S1 in every line of the solid-state photodetector element 18 is stored in the correcting table 16. The image signal S1 is obtained by actually photographing an object. The offset and the correction of the gain are performed for the image signal S1 in an offset adjusting means 11 and an AGC amplifier 12. The signal is converted in a logarithm converting means 13 and an A/D converting means 14. The resulting image signal S2 is inputted into a reproducing means and reproduced.

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